

Title (en)
VISCOELASTIC CONDUCTIVE NANOMATERIAL-POLYMER NANOCOMPOSITES AND SENSING DEVICES COMPRISING THE COMPOSITE MATERIAL

Title (de)
LEITFÄHIGE VISKOELASTISCHE NANOMATERIAL-POLYMER-NANOVERBUNDSTOFFE UND MESSVORRICHTUNGEN MIT DEM VERBUNDSTOFF

Title (fr)
NANOCOMPOSITES DE POLYMÈRE-NANOMATÉRIAU CONDUCTEURS ET VISCOÉLASTIQUES ET DISPOSITIFS DE DÉTECTION COMPRENANT LE MATÉRIAU COMPOSITE

Publication
EP 3494170 A1 20190612 (EN)

Application
EP 17758060 A 20170803

Priority
• EP 16182749 A 20160804
• EP 2017069754 W 20170803

Abstract (en)
[origin: EP3279247A1] A homogenous composite material with increased tensile strength comprising 2-dimensional nano-sheets exfoliated from a 3-dimensional layered material mixed in a liquid non-Newtonian viscoelastic material to produce the homogenous composite material; and a process for making the same.

IPC 8 full level
C08K 3/04 (2006.01)

CPC (source: EP US)
B82Y 30/00 (2013.01 - US); **C08K 3/04** (2013.01 - EP US); **C08L 83/04** (2013.01 - US); **H01B 1/04** (2013.01 - US); **H01B 1/12** (2013.01 - US); **B82Y 40/00** (2013.01 - US); **C08K 2201/001** (2013.01 - US); **C08K 2201/011** (2013.01 - EP US); **C08L 101/00** (2013.01 - US)

Citation (search report)
See references of WO 2018024866A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3279247 A1 20180207; EP 3494170 A1 20190612; US 11136459 B2 20211005; US 2019185672 A1 20190620; WO 2018024866 A1 20180208

DOCDB simple family (application)
EP 16182749 A 20160804; EP 17758060 A 20170803; EP 2017069754 W 20170803; US 201716323149 A 20170803